

09/777858

Sheet 1 of 9

**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.
3691-133

SERIAL NO.
To be Assigned

APPLICANT
WANG et al.

FILING DATE

GROUP

(Use several sheets if necessary)

February 7, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>WPC</i>	5,902,652	5/1999	Collins et al.			
<i>WPC</i>	5,891,536	4/1999	Collins et al.			
<i>WPC</i>	5,855,638	1/1999	Demars			
<i>WPC</i>	5,664,395	9/1997	Collins et al.			
<i>WPC</i>	6,040,564	3/2000	Ueda et al.			
<i>WPC</i>	4,683,154	7/1987	Benson et al.			
<i>WPC</i>	6,037,710	3/2000	Poole et al.			
<i>WPC</i>	6,071,575	6/2000	Collins et al.			
<i>WPC</i>	5,017,252	5/1991	Aldrich et al.			
<i>WPC</i>	5,270,084	12/1993	Parker			
<i>WPC</i>	4,928,448	5/1990	Phillip			
<i>WPC</i>	4,786,344	11/1988	Beuther			
<i>WPC</i>	5,657,607	8/1997	Collins et al.			
<i>WPC</i>	5,897,927	4/1999	Tsai et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>NONE</i>					

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

<i>WPC</i>	Solar Energy Vol. 63, No. 4, pp. 243-249, 1998 "Fabrication of Evacuated Glazing at Low Temperature"
<i>WPC</i>	GRIFFITHS et al.
<i>WPC</i>	Solar Energy Vol. 62, no. 3, pp. 189-213, 1998 "Current Status of the Science and Technology of Vacuum Glazing"
<i>WPC</i>	COLLINS et al.
<i>WPC</i>	"Thermal Outgassing of Vacuum Glazing". LENZEN et al., pp. 1-31
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/722,008, filed Nov. 27, 2000
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/670,559 filed September, 27, 2000
<i>WPC</i>	U.S. Patent Appln. Serial No. 09/404, 659 659

*Examiner *Michael Chelan* Date Considered *2/26/03*

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>WRC</i>	5,315,797	5/1994	Glover et al.			
<i>WRC</i>	3,902,883	9/1975	Bayer			
<i>WRC</i>	3,441,924	4/1969	Peek et al.			
<i>WRC</i>	49,167	1/1865	Stetson			
<i>WRC</i>	1,448,351	3/1923	Kirlin			
<i>WRC</i>	1,774,860	9/1930	Wendler et al.			
<i>WRC</i>	2,011,557	8/1935	Anderegg			
<i>WRC</i>	2,962,409	11/1960	Ludlow et al.			
<i>WRC</i>	3,742,600	7/1973	Lowell			
<i>WRC</i>	3,912,365	10/1975	Lowell			
<i>WRC</i>	3,936,553	2/1976	Rowe			
<i>WRC</i>	4,064,300	12/1977	Bhangu			
<i>WRC</i>	4,130,408	12/1978	Crossland et al.			
<i>WRC</i>	4,130,452	12/1978	Indri			
<i>WRC</i>	4,305,982	12/1981	Hirsch			
<i>WRC</i>	4,514,450	4/1985	Nowobilski et al.			
<i>WRC</i>	4,824,215	4/1989	Joseph et al.			
<i>WRC</i>	4,874,461	10/1989	Sato et al.			
<i>WRC</i>	4,924,243	5/1990	Sato et al.			
<i>WRC</i>	4,983,429	1/1991	Takayanagi et al.			
<i>WRC</i>	5,157,893	10/1992	Benson et al.			
<i>WRC</i>	5,234,738	8/1993	Wolf			
<i>WRC</i>	5,247,764	9/1993	Jeshurun et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		<i>ADONE</i>			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

Examiner	<i>Michael Colan</i>	Date Considered	<i>2/26/03</i>
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP §69; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Sheet 6 of 9

Form PTO-1449				Serial Number (Optional) <u>3691-133</u>		Application Number <u>09/777858</u>	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicant <u>Wang et al</u>			
				Filing Date <u>Feb. 7, 2001</u>		Group Art Unit	
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	<u>32272</u>	<u>10/1986</u>	<u>FUNAKI, ET AL.</u>				
<u>WPK</u>	<u>3857161</u>	<u>12/1974</u>	<u>HUTCHINS, IV</u>				
<u>WPK</u>	<u>3959577</u>	<u>5/1976</u>	<u>FRINK</u>				
<u>WPK</u>	<u>4393105</u>	<u>7/1983</u>	<u>KREISMAN</u>				
<u>WPK</u>	<u>4422280</u>	<u>17/1983</u>	<u>MERTIN, ET AL.</u>				
<u>WPK</u>	<u>4486482</u>	<u>12/1984</u>	<u>KOBAYASHI, ET AL.</u>				
<u>WPK</u>	<u>4542611</u>	<u>7/1985</u>	<u>DAY</u>				
<u>WPK</u>	<u>4586289</u>	<u>9/1986</u>	<u>JAEGER</u>				
<u>WPK</u>	<u>4598520</u>	<u>7/1986</u>	<u>ELLSTRUM</u>				
<u>WPK</u>	<u>4681616</u>	<u>7/1987</u>	<u>McMASTER</u>				
<u>WPK</u>	<u>4683154</u>	<u>7/1987</u>	<u>BENSON, ET AL.</u>				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
<u>WPK</u>	<u>9700335</u>	<u>1/1997</u>	<u>PCT</u>				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<u>WPK</u>	"Temperature-Induced Stresses in Vacuum Glazing Modelling and Experimental Validation" by Simko, et. al., Solar Energy, Vol. 63, No. 1, pp. 1-21, 1998						
	"Fabrication of Evacuated Glazing at Low Temperature" by Griffiths, et al., Solar Energy, Vol. 63, No. 4, pp. 243-249, 1998						
	"Thermal Outgassing of Vacuum Glazing" by Lenzen, et. al., School of Physics, The University of Sydney, NSW 2006, Australia						
EXAMINER	<u>Michael Colan</u>			DATE CONSIDERED <u>2/26/03</u>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

Form PTO-1449		Subject Number (Optional) 3691-133		Apparatus Number 09 777858		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant WANG et al.		Filing Date Feb. 7, 2001		
Group Art Unit						
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WMC	4780164	10/1988	RUECKHEIM, ET. AL.			
WMC	4786344	11/1988	BEUTHEL			
WMC	4822649	4/1989	CANAUD, ET. AL.			
WMC	4853264	8/1989	VINCENT, ET. AL.			
WMC	4865672	9/1989	DELBEEK, ET. AL.			
WMC	4886095	11/1989	LISEL			
WMC	4888038	11/1989	HERRINGTON, ET. AL.			
WMC	4909874	3/1990	RUECKHEIM			
WMC	4909875	3/1990	CANAUD, ET. AL.			
WMC	4928446	7/1990	PHILLIP			
	5017252	7/1991	ALDRICH, ET. AL.			
FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
NONE						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
"Current Status of the Science and Technology of Vacuum Glazing"						
by Collins, et. al. School of Physics, Univ. of Sydney, Sydney, NSW 2006, Australia						
Brochure for "Specialty Solders & Alloys, Technical Information"						
for Indium Corporation of America						
Product Data Sheet for Precision Spheres for BGAs (PGBA, CBGA, and TBGA), Indium Corporation of America						
EXAMINER	Michael Chen		DATE CONSIDERED		2/26/03	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use several sheets if necessary)</small>		Check Number (Optional) <div style="border: 1px solid black; padding: 2px; display: inline-block;">3691-133</div>	
		Application Number <div style="border: 1px solid black; padding: 2px; display: inline-block;">091777858</div>	
		Applicant <div style="border: 1px solid black; padding: 2px; display: inline-block;">WANG et al.</div>	
		Filing Date <div style="border: 1px solid black; padding: 2px; display: inline-block;">Feb. 7, 2001</div>	
		Group Art Unit	

U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WML	5 855 638	1/1999	DEMPSEY			
	5 891 536	4/1999	COLLINS, ET AL			
	5 902 652	7/1999	COLLINS, ET AL			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

OTHER DOCUMENTS	
<small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>	

EXAMINER <div style="border: 1px solid black; padding: 2px; display: inline-block;">Michael Polanski</div>	DATE CONSIDERED <div style="border: 1px solid black; padding: 2px; display: inline-block;">2/25/03</div>
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ATTY. DOCKET NO. 2

SERIAL NO.

09/777,858

APPLICANT

WANG et al.

FILING DATE

February 7, 2001

GROUP

1731

(Use several sheets if necessary)

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mk</i>	6,109,994	8/2000	Cho et al.			
<div style="transform: rotate(-15deg);"> RECEIVED FEB 11 2002 TC 1700 </div>						

							TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
WPK 38 24 129 A1	1/1989	Germany	—	—		X		
WPK 0 420 638 A1	4/1991	EP	—	—	X			
WPK WO 01/23700	4/2001	WIPO	—	—	X			

		NONE		
*Examiner	Michael Culen	Date Considered	2/25/03	

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Form PTO-FB-A820 (Also PTO-1449)

ATTY. DOCKET NO.

3691-133

SERIAL NO.

09/777,858

~~APPLICANT~~

WANG et al.

FILING DATE

February 7, 2001

GROUP

1731

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

					TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		None				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

*Examiner	Michael Williams	Date Considered	2/25/03
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*Examiner

Date Considered

2/25/03

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Form PTO-FB-A820 (Also PTO-1449)

~~ATTY. DOCKET NO.~~

SERIAL NO.

09/777,858

APPLICANT

WANG et al.

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GROUP

(Use several sheets if necessary)

February 7, 2001

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		NONE				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)	
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	NONE			
*Examiner	Mohel Chlainani	Date Considered	2/25/03	

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Form PTO-FB-A820 (Also PTO-1449)